

CLAIMS

1. A process for producing a solid, water-soluble or water-dispersible composition comprising a non film-forming material supported by a film-forming polymer
5 wherein the supported material is a water-soluble material, which process comprises (i) preparing a film-forming aqueous medium containing (a) a film-forming polymer which is a partially or fully charged homopolymer or a partially charged block copolymer or a homopolymer or block copolymer capable of ring-opening to form a partially charged homopolymer or block copolymer and (b) a water soluble material
10 which is non film-forming and thereafter (ii) drying the film-forming aqueous medium to form the solid composition.
2. A process according to claim 1 wherein the film-forming aqueous medium is prepared using water as the sole medium for both the film-forming polymer (a) and the water-soluble material (b).
- 15 3. A process according to claim 1 or 2 wherein the water soluble material which is non film-forming is a salt of glyphosate, a bipyridylium salt, glufosinate, fomesafen or ammonium sulphate.
4. A process according to any of the preceding claims wherein film-forming polymer is a partially or fully charged homopolymer or a partially charged block copolymer
20 having anionic functional units selected from carboxylic acid or sulphonic acid functional units or a mixture of such anionic functional units associated with a cation or cationic functional unit or wherein the charged functional unit is generated in situ by ring opening of an uncharged block co-polymer or homopolymer.
5. A process according to claim 4 wherein the film-forming polymer is selected from an
25 alkyl vinylether maleic anhydride block co-polymer, a hydrolysed alkyl vinylether maleic anhydride block co-polymer, a salt of poly (acrylic acid/maleic acid) copolymer, a salt of sulphonated poly (styrene/maleic anhydride) copolymer, a salt of sulphonated polystyrene, a salt of sulphonated polyvinyl alcohol, a salt of polyacrylic acid and a salt of polymethacrylic acid.
- 30 6. A process according to claim 5 wherein the film-forming polymer is an alkyl vinylether maleic anhydride block co-polymer having a number average molecular

weight of from 20,000 to 990,000 or is a hydrolysed alkyl vinyl ether maleic anhydride block co-polymer having a molecular weight from 20,000 to 3,000,000.

7. A process according to any of the preceding claims wherein the water-soluble material is a salt of glyphosate, the film-forming medium is an alkyl vinyl ether maleic anhydride co-polymer and there is incorporated in the film-forming medium an ammonium salt in the substantial absence of an inert filler.
8. A process according to any of claims 1 to 5 wherein there is included an inert inorganic filler.
9. A process according to any of the preceding claims wherein the concentration of the film-forming polymer in the film-forming aqueous medium is from 0.5 to 96% by weight.
10. A process according to any of the preceding claims wherein the content of the water-soluble supported material in the solid composition of the invention is greater than 40% by weight.
11. A solid, water-soluble or water-dispersible composition whenever prepared by a process according to any of the preceding claims.
12. A solid, water-soluble or water-dispersible composition comprising a glyphosate salt, an alkyl vinyl ether maleic anhydride block co-polymer or a hydrolysed derivative thereof and ammonium sulphate.